

# Arizona TERM Ranking by Occupation '06-'08

TERM: Training & Education Resource Model

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1

Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
1	11-1021	General and Operations Managers	1,966	\$44.67	659	3.8	2.3	Bachelor's or higher deg. + work exp.
2	15-1032	Computer Software Engineers, Systems Software	348	\$37.77	647	5.1	6.4	Bachelor's degree
3	23-1011	Lawyers	697	\$50.90	568	5.0	4.4	First professional degree
4	17-2051	Civil Engineers	309	\$33.74	709	4.9	3.4	Bachelor's degree
5	29-1111	Registered Nurses	2,350	\$28.12	645	4.9	2.7	Associate degree
6	15-1031	Computer Software Engineers, Applications	463	\$34.70	607	4.9	6.1	Bachelor's degree
7	13-1111	Management Analysts	785	\$32.10	657	3.9	3.3	Bachelor's or higher deg. + work exp.
8	11-1011	Chief Executives	400	\$66.94	708	3.3	2.0	Bachelor's or higher deg. + work exp.
9	15-1081	Network Systems and Data Communications Analysts	294	\$28.86	669	6.6	6.6	Bachelor's degree
10	11-2022	Sales Managers	532	\$41.35	577	4.3	2.6	Bachelor's or higher deg. + work exp.
11	15-1071	Network and Computer Systems Administrators	262	\$29.55	697	5.2	5.7	Bachelor's degree
12	15-1051	Computer Systems Analysts	372	\$32.58	619	4.2	4.5	Bachelor's degree
13	11-9111	Medical and Health Services Managers	324	\$32.73	707	3.9	2.3	Bachelor's or higher deg. + work exp.
14	29-1051	Pharmacists	337	\$43.21	554	5.3	2.9	First professional degree
15	11-3031	Financial Managers	495	\$41.69	587	3.6	3.0	Bachelor's or higher deg. + work exp.
16	17-1011	Architects, Except Landscape and Naval	186	\$31.00	663	6.0	6.0	Bachelor's degree
17	11-3021	Computer and Information Systems Managers	233	\$44.11	638	3.9	2.4	Bachelor's or higher deg. + work exp.
18	13-2011	Accountants and Auditors	1,574	\$25.67	582	4.5	2.6	Bachelor's degree
19	29-2021	Dental Hygienists	192	\$33.56	585	5.4	8.1	Associate degree
20	29-1123	Physical Therapists	152	\$31.20	659	4.6	6.0	Master's degree
21	15-1061	Database Administrators	199	\$28.28	615	6.0	7.1	Bachelor's degree
22	11-2021	Marketing Managers	200	\$37.15	644	3.8	2.3	Bachelor's or higher deg. + work exp.
23	49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	494	\$27.67	736	3.4	1.5	Work experience in a related occupation
24	29-1021	Dentists, General	140	\$64.01	777	3.1	2.1	First professional degree
25	29-1131	Veterinarians	105	\$34.28	736	4.8	2.1	First professional degree
26	11-9041	Engineering Managers	258	\$52.46	692	2.5	1.4	Bachelor's or higher deg. + work exp.
27	29-1062	Family and General Practitioners	78	\$67.92	672	3.9	3.3	First professional degree
28	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	1,916	\$24.67	574	4.1	1.6	Moderate-term on-the-job training
29	41-3031	Securities, Commodities, and Financial Services Sales Agents	274	\$34.77	544	3.4	3.4	Bachelor's degree

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
30	13-2072	Loan Officers	517	\$33.91	471	3.3	2.3	Bachelor's degree
30	29-1063	Internists, General	73	\$82.98	679	3.5	2.9	First professional degree
32	13-1073	Training and Development Specialists	348	\$22.01	606	4.6	3.5	Bachelor's degree
33	41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	450	\$30.17	577	3.1	1.8	Work experience in a related occupation
34	37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping	391	\$17.99	687	4.8	5.6	Work experience in a related occupation
35	25-1071	Health Specialties Teachers, Postsecondary	119	\$50.52	647	3.6	1.7	Master's degree
36	29-2061	Licensed Practical and Licensed Vocational Nurses	628	\$19.43	734	3.9	1.9	Postsecondary vocational training
37	29-1071	Physician Assistants	122	\$31.79	566	5.6	4.1	Bachelor's degree
38	49-3023	Automotive Service Technicians and Mechanics	1,477	\$18.73	686	4.3	1.6	Postsecondary vocational training
39	13-2052	Personal Financial Advisors	240	\$36.49	411	4.2	3.7	Bachelor's degree
40	43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,559	\$22.37	641	3.0	1.6	Work experience in a related occupation
41	17-1012	Landscape Architects	73	\$29.80	635	6.2	6.3	Bachelor's degree
42	29-2034	Radiologic Technologists and Technicians	237	\$23.82	624	4.5	2.7	Associate degree
43	47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	574	\$27.40	658	2.2	1.5	Work experience in a related occupation
44	41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Pro	741	\$25.96	593	3.6	1.4	Moderate-term on-the-job training
45	11-9021	Construction Managers	335	\$40.67	616	2.0	1.3	Bachelor's degree
46	11-3011	Administrative Services Managers	284	\$27.02	577	3.9	2.2	Bachelor's or higher deg. + work exp.
46	11-9051	Food Service Managers	442	\$21.25	664	3.3	2.2	Work experience in a related occupation
48	15-1041	Computer Support Specialists	597	\$21.87	575	3.7	3.5	Associate degree
49	41-9021	Real Estate Brokers	302	\$50.64	539	2.8	1.5	Work experience in a related occupation
50	11-9151	Social and Community Service Managers	178	\$26.17	616	4.0	2.4	Bachelor's degree
50	17-1022	Surveyors	213	\$22.40	688	5.4	1.5	Bachelor's degree
52	13-1051	Cost Estimators	311	\$25.28	607	3.6	1.8	Work experience in a related occupation
53	29-1124	Radiation Therapists	52	\$35.67	675	4.7	2.3	Associate degree
54	17-2141	Mechanical Engineers	273	\$36.24	649	2.5	0.9	Bachelor's degree
55	23-2011	Paralegals and Legal Assistants	247	\$22.86	530	5.7	9.3	Associate degree
56	29-1067	Surgeons	32	\$93.05	773	3.8	3.3	First professional degree

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
57	33-3021	Detectives and Criminal Investigators	240	\$25.73	694	3.4	1.4	Work experience in a related occupation
58	17-2081	Environmental Engineers	58	\$30.56	619	5.7	3.6	Bachelor's degree
59	29-2011	Medical and Clinical Laboratory Technologists	159	\$23.81	685	4.3	1.7	Bachelor's degree
60	29-1126	Respiratory Therapists	237	\$21.20	692	4.8	1.5	Associate degree
61	11-2031	Public Relations Managers	75	\$33.05	581	4.7	3.1	Bachelor's or higher deg. + work exp.
62	11-9141	Property, Real Estate, and Community Association Managers	508	\$26.35	550	2.8	1.7	Bachelor's degree
62	29-2032	Diagnostic Medical Sonographers	53	\$30.55	639	5.2	3.2	Associate degree
64	17-2071	Electrical Engineers	222	\$37.24	651	1.9	1.1	Bachelor's degree
65	29-1011	Chiropractors	64	\$38.01	686	3.0	1.9	First professional degree
66	19-3021	Market Research Analysts	316	\$26.50	517	3.9	1.5	Bachelor's degree
67	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	327	\$17.57	721	3.2	2.8	Long-term on-the-job training
68	25-1194	Vocational Education Teachers, Postsecondary	157	\$22.86	636	4.3	2.0	Bachelor's or higher deg. + work exp.
69	33-3051	Police and Sheriff's Patrol Officers	497	\$23.71	730	2.1	0.9	Long-term on-the-job training
70	49-3021	Automotive Body and Related Repairers	323	\$19.22	620	3.9	2.1	Long-term on-the-job training
71	13-1031	Claims Adjusters, Examiners, and Investigators	232	\$23.38	538	3.9	3.6	Long-term on-the-job training
72	11-9032	Education Administrators, Elementary and Secondary School	158	\$32.65	675	2.4	1.1	Bachelor's or higher deg. + work exp.
73	29-1122	Occupational Therapists	81	\$23.71	626	4.7	3.9	Master's degree
74	19-2043	Hydrologists	35	\$28.52	660	5.9	4.0	Master's degree
75	13-2051	Financial Analysts	162	\$28.15	559	3.2	2.5	Bachelor's degree
76	17-3011	Architectural and Civil Drafters	252	\$21.40	594	4.6	1.7	Postsecondary vocational training
76	47-4011	Construction and Building Inspectors	137	\$22.31	654	4.0	2.0	Work experience in a related occupation
78	29-1065	Pediatricians, General	38	\$80.66	626	3.6	3.0	First professional degree
79	51-1011	First-Line Supervisors/Managers of Production and Operating Workers	402	\$23.08	651	2.3	1.2	Work experience in a related occupation
80	17-2072	Electronics Engineers, Except Computer	147	\$37.11	673	1.9	1.1	Bachelor's degree
81	17-2112	Industrial Engineers	170	\$32.15	638	2.5	1.1	Bachelor's degree
82	17-2061	Computer Hardware Engineers	74	\$38.63	639	2.6	1.7	Bachelor's degree
83	13-1071	Employment, Recruitment, and Placement Specialists	241	\$19.40	543	5.2	4.0	Bachelor's degree
84	27-3031	Public Relations Specialists	222	\$21.43	539	4.4	3.4	Bachelor's degree
85	11-3041	Compensation and Benefits Managers	64	\$29.12	581	4.4	3.3	Bachelor's or higher deg. + work exp.

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
86	11-9033	Education Administrators, Postsecondary	135	\$42.89	641	2.2	1.0	Bachelor's or higher deg. + work exp.
87	11-3042	Training and Development Managers	41	\$33.19	620	4.2	3.1	Bachelor's or higher deg. + work exp.
88	53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine an	178	\$24.34	650	3.1	1.4	Work experience in a related occupation
89	29-1064	Obstetricians and Gynecologists	17	\$71.93	736	3.7	3.3	First professional degree
90	27-1024	Graphic Designers	287	\$20.60	550	3.6	3.1	Bachelor's degree
91	17-3022	Civil Engineering Technicians	146	\$20.89	590	5.1	2.6	Associate degree
92	33-1012	First-Line Supervisors/Managers of Police and Detectives	123	\$35.08	763	2.2	0.8	Work experience in a related occupation
93	47-2031	Carpenters	2,030	\$16.79	662	2.3	1.6	Long-term on-the-job training
94	41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,534	\$18.92	571	2.8	1.7	Work experience in a related occupation
95	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	197	\$20.21	635	3.8	1.9	Postsecondary vocational training
96	29-1061	Anesthesiologists	13	\$93.05	753	3.7	3.2	First professional degree
97	43-6012	Legal Secretaries	313	\$18.87	484	5.4	3.1	Postsecondary vocational training
98	11-3061	Purchasing Managers	64	\$35.99	677	2.6	1.4	Bachelor's or higher deg. + work exp.
99	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	79	\$24.57	598	4.5	2.2	Postsecondary vocational training
100	33-2011	Fire Fighters	331	\$17.71	753	3.3	1.2	Long-term on-the-job training
101	29-2033	Nuclear Medicine Technologists	22	\$31.13	701	4.5	2.7	Associate degree
102	13-1121	Meeting and Convention Planners	110	\$19.84	642	4.9	2.4	Bachelor's degree
103	49-9042	Maintenance and Repair Workers, General	1,510	\$14.93	627	3.6	2.0	Moderate-term on-the-job training
104	31-9091	Dental Assistants	437	\$15.53	598	5.3	2.0	Moderate-term on-the-job training
105	13-1022	Wholesale and Retail Buyers, Except Farm Products	178	\$25.99	571	3.5	1.3	Work experience in a related occupation
106	41-3021	Insurance Sales Agents	441	\$23.51	577	2.5	1.1	Bachelor's degree
107	47-2152	Plumbers, Pipefitters, and Steamfitters	557	\$18.04	718	2.5	1.1	Long-term on-the-job training
108	19-2032	Materials Scientists	19	\$32.43	682	6.1	1.9	Bachelor's degree
109	15-1021	Computer Programmers	303	\$29.61	571	2.1	0.9	Bachelor's degree
110	29-2031	Cardiovascular Technologists and Technicians	73	\$20.42	657	4.7	2.8	Associate degree
111	25-2021	Elementary School Teachers, Except Special Education	1,687	\$17.03	611	2.7	1.4	Bachelor's degree
112	17-3027	Mechanical Engineering Technicians	70	\$21.41	683	4.4	2.3	Associate degree
113	19-1042	Medical Scientists, Except Epidemiologists	17	\$28.80	697	5.3	3.3	Doctoral degree
114	49-9041	Industrial Machinery Mechanics	141	\$21.71	692	3.0	1.6	Long-term on-the-job training
115	25-1011	Business Teachers, Postsecondary	84	\$30.36	607	3.2	1.5	Master's degree

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
116	13-1072	Compensation, Benefits, and Job Analysis Specialists	128	\$22.99	534	4.0	3.1	Bachelor's degree
117	33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	121	\$27.52	761	2.8	0.7	Work experience in a related occupation
118	43-4051	Customer Service Representatives	4,397	\$14.03	531	4.5	3.1	Moderate-term on-the-job training
119	19-3031	Clinical, Counseling, and School Psychologists	166	\$24.54	572	3.2	1.6	Doctoral degree
120	27-1021	Commercial and Industrial Designers	43	\$26.34	603	4.5	3.8	Bachelor's degree
121	19-2042	Geoscientists, Except Hydrologists and Geographers	21	\$30.99	636	4.9	3.1	Master's degree
122	25-1021	Computer Science Teachers, Postsecondary	85	\$27.51	637	3.1	1.5	Master's degree
123	13-2021	Appraisers and Assessors of Real Estate	222	\$21.76	580	3.2	1.7	Postsecondary vocational training
124	11-2011	Advertising and Promotions Managers	47	\$32.88	582	3.5	2.2	Bachelor's or higher deg. + work exp.
125	41-9031	Sales Engineers	53	\$29.73	722	3.3	1.1	Bachelor's degree
126	17-3025	Environmental Engineering Technicians	55	\$20.28	642	6.2	3.2	Associate degree
127	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	25	\$26.30	708	5.8	1.9	Bachelor's degree
128	17-2031	Biomedical Engineers	13	\$28.34	748	5.2	3.2	Bachelor's degree
129	25-2031	Secondary School Teachers, Except Special and Vocational Education	957	\$18.25	647	2.4	0.9	Bachelor's degree
130	21-1022	Medical and Public Health Social Workers	107	\$22.07	570	4.1	2.8	Bachelor's degree
131	53-3032	Truck Drivers, Heavy and Tractor-Trailer	989	\$18.10	614	2.1	1.4	Moderate-term on-the-job training
132	13-2082	Tax Preparers	81	\$27.17	496	4.0	2.7	Moderate-term on-the-job training
133	19-2012	Physicists	12	\$38.44	685	5.3	1.6	Doctoral degree
134	11-9081	Lodging Managers	114	\$21.57	585	3.8	2.5	Work experience in a related occupation
135	29-1066	Psychiatrists	9	\$79.21	658	3.6	3.3	First professional degree
136	25-9031	Instructional Coordinators	129	\$20.11	647	2.9	2.1	Master's degree
137	47-2073	Operating Engineers and Other Construction Equipment Operators	725	\$18.93	558	3.0	1.2	Moderate-term on-the-job training
138	21-1091	Health Educators	67	\$20.52	619	4.4	2.8	Master's degree
139	43-3011	Bill and Account Collectors	803	\$13.98	512	5.7	3.2	Short-term on-the-job training
140	31-9092	Medical Assistants	682	\$13.15	557	5.7	3.2	Moderate-term on-the-job training
141	11-9061	Funeral Directors	51	\$23.85	661	4.3	1.5	Associate degree
142	13-2041	Credit Analysts	182	\$20.30	545	3.3	2.4	Bachelor's degree
143	43-6011	Executive Secretaries and Administrative Assistants	1,907	\$16.71	475	3.1	1.8	Moderate-term on-the-job training
144	49-2011	Computer, Automated Teller, and Office Machine Repairers	123	\$19.24	648	2.8	2.6	Postsecondary vocational training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
145	17-2011	Aerospace Engineers	99	\$40.85	686	0.8	0.3	Bachelor's degree
146	25-1042	Biological Science Teachers, Postsecondary	38	\$34.43	642	3.0	1.4	Doctoral degree
146	29-1041	Optometrists	33	\$39.76	715	2.9	1.0	First professional degree
148	29-1022	Oral and Maxillofacial Surgeons	9	\$77.92	778	3.0	2.0	First professional degree
149	31-1012	Nursing Aides, Orderlies, and Attendants	1,256	\$10.80	615	4.5	3.8	Postsecondary vocational training
150	29-2055	Surgical Technologists	61	\$18.19	647	4.8	4.0	Postsecondary vocational training
151	25-1072	Nursing Instructors and Teachers, Postsecondary	39	\$22.14	691	4.5	2.1	Doctoral degree
152	49-2098	Security and Fire Alarm Systems Installers	109	\$19.27	619	3.7	2.1	Postsecondary vocational training
153	27-4021	Photographers	198	\$15.45	658	3.8	2.2	Long-term on-the-job training
154	21-2011	Clergy	54	\$18.54	679	4.9	2.5	Master's degree
155	15-2031	Operations Research Analysts	96	\$27.13	605	2.6	1.3	Master's degree
156	37-2021	Pest Control Workers	201	\$12.31	654	5.8	4.5	Moderate-term on-the-job training
157	29-2012	Medical and Clinical Laboratory Technicians	167	\$17.87	627	3.8	1.4	Associate degree
158	17-3023	Electrical and Electronic Engineering Technicians	218	\$23.74	617	1.8	0.9	Associate degree
159	17-2041	Chemical Engineers	23	\$31.72	705	3.7	1.3	Bachelor's degree
160	13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Tr	177	\$22.83	604	2.4	1.1	Long-term on-the-job training
161	39-1021	First-Line Supervisors/Managers of Personal Service Workers	352	\$17.18	505	3.8	1.6	Work experience in a related occupation
162	53-2012	Commercial Pilots	50	\$26.60	729	2.8	1.2	Postsecondary vocational training
163	11-3051	Industrial Production Managers	60	\$40.31	670	1.3	0.8	Work experience in a related occupation
164	53-3033	Truck Drivers, Light or Delivery Services	814	\$13.97	538	3.2	4.0	Short-term on-the-job training
165	13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	279	\$23.63	533	2.3	1.0	Work experience in a related occupation
166	11-3071	Transportation, Storage, and Distribution Managers	55	\$32.25	602	2.4	1.4	Work experience in a related occupation
167	19-2031	Chemists	54	\$26.32	637	3.5	1.1	Bachelor's degree
168	29-2052	Pharmacy Technicians	418	\$13.32	492	5.7	4.8	Moderate-term on-the-job training
169	29-1023	Orthodontists	5	\$89.63	702	3.0	2.3	First professional degree
170	39-9031	Fitness Trainers and Aerobics Instructors	443	\$13.37	570	4.5	2.0	Postsecondary vocational training
171	25-2022	Middle School Teachers, Except Special and Vocational Education	298	\$18.44	633	2.2	1.1	Bachelor's degree
172	35-1011	Chefs and Head Cooks	201	\$18.05	617	3.7	1.0	Work experience in a related occupation

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
173	35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,104	\$14.29	538	3.9	1.5	Work experience in a related occupation
174	11-9121	Natural Sciences Managers	22	\$41.20	628	2.7	1.6	Bachelor's or higher deg. + work exp.
175	11-9031	Education Administrators, Preschool and Child Care Center/Program	71	\$18.26	655	4.1	1.8	Bachelor's or higher deg. + work exp.
176	27-1025	Interior Designers	87	\$19.12	609	3.3	2.8	Associate degree
177	25-3021	Self-Enrichment Education Teachers	174	\$15.98	529	4.5	4.2	Work experience in a related occupation
178	25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	143	\$17.69	594	3.8	1.8	Bachelor's degree
179	31-9011	Massage Therapists	259	\$16.56	482	4.4	2.0	Postsecondary vocational training
180	43-4161	Human Resources Assistants, Except Payroll and Timekeeping	309	\$16.73	533	3.4	1.6	Short-term on-the-job training
180	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	271	\$17.64	592	3.1	1.3	Postsecondary vocational training
182	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	35	\$31.78	633	3.0	1.3	Bachelor's degree
183	25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	94	\$17.91	558	4.2	3.9	Bachelor's degree
184	39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,164	\$12.13	520	4.6	2.6	Postsecondary vocational training
185	17-3031	Surveying and Mapping Technicians	119	\$18.43	615	4.4	1.1	Moderate-term on-the-job training
186	21-1093	Social and Human Service Assistants	250	\$14.09	581	4.4	2.8	Moderate-term on-the-job training
186	53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	153	\$20.05	610	2.8	1.3	Work experience in a related occupation
188	25-2012	Kindergarten Teachers, Except Special Education	117	\$17.39	596	3.1	3.2	Bachelor's degree
189	29-1081	Podiatrists	16	\$50.89	707	2.6	1.1	First professional degree
190	21-1012	Educational, Vocational, and School Counselors	276	\$19.82	560	2.4	1.2	Master's degree
191	29-9011	Occupational Health and Safety Specialists	27	\$27.61	701	3.0	1.5	Bachelor's degree
192	29-2041	Emergency Medical Technicians and Paramedics	139	\$12.48	736	4.2	4.3	Postsecondary vocational training
193	19-4092	Forensic Science Technicians	30	\$23.44	618	4.2	1.9	Associate degree
193	21-1014	Mental Health Counselors	115	\$18.67	545	3.9	1.9	Master's degree
195	39-9032	Recreation Workers	524	\$10.95	633	4.1	1.9	Short-term on-the-job training
196	25-1052	Chemistry Teachers, Postsecondary	19	\$32.87	647	3.0	1.4	Doctoral degree
197	29-1031	Dietitians and Nutritionists	77	\$20.08	602	3.7	1.5	Bachelor's degree
198	29-2071	Medical Records and Health Information Technicians	247	\$14.25	516	4.5	3.6	Associate degree
199	49-3011	Aircraft Mechanics and Service Technicians	117	\$23.02	657	1.8	0.8	Postsecondary vocational training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
200	37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	315	\$13.90	549	4.4	2.0	Work experience in a related occupation
201	21-1023	Mental Health and Substance Abuse Social Workers	102	\$17.84	538	4.0	2.7	Master's degree
202	29-2056	Veterinary Technologists and Technicians	155	\$13.09	582	6.5	5.6	Associate degree
203	47-2044	Tile and Marble Setters	157	\$15.41	604	3.4	2.6	Long-term on-the-job training
204	53-2021	Air Traffic Controllers	19	\$42.50	654	2.5	1.1	Long-term on-the-job training
205	51-9122	Painters, Transportation Equipment	130	\$17.18	535	4.4	1.7	Long-term on-the-job training
206	21-1011	Substance Abuse and Behavioral Disorder Counselors	54	\$20.73	570	4.1	2.0	Master's degree
207	43-3051	Payroll and Timekeeping Clerks	408	\$15.24	463	4.1	1.6	Moderate-term on-the-job training
208	25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	8	\$36.80	673	3.1	1.5	Doctoral degree
209	17-2171	Petroleum Engineers	3	\$34.08	672	4.8	1.5	Bachelor's degree
210	23-2093	Title Examiners, Abstractors, and Searchers	83	\$19.54	509	3.4	3.7	Moderate-term on-the-job training
211	17-3013	Mechanical Drafters	99	\$19.78	630	3.1	1.1	Postsecondary vocational training
212	43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,723	\$14.91	468	2.8	1.6	Moderate-term on-the-job training
212	47-2051	Cement Masons and Concrete Finishers	493	\$16.43	560	2.3	1.2	Moderate-term on-the-job training
214	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	114	\$23.03	704	1.1	0.6	Long-term on-the-job training
215	13-1081	Logisticians	46	\$32.51	635	1.5	1.0	Bachelor's degree
216	43-5071	Shipping, Receiving, and Traffic Clerks	1,557	\$10.68	551	4.2	2.1	Short-term on-the-job training
217	37-3011	Landscaping and Groundskeeping Workers	2,866	\$9.96	516	5.0	2.3	Short-term on-the-job training
218	19-4031	Chemical Technicians	50	\$18.17	595	5.1	2.2	Associate degree
219	31-1011	Home Health Aides	876	\$9.73	521	5.1	4.3	Short-term on-the-job training
220	31-2021	Physical Therapist Assistants	64	\$15.46	608	5.5	3.4	Associate degree
221	27-1011	Art Directors	46	\$28.15	595	2.6	1.2	Bachelor's or higher deg. + work exp.
222	27-2022	Coaches and Scouts	114	\$15.69	663	3.2	1.8	Long-term on-the-job training
223	29-1127	Speech-Language Pathologists	75	\$23.69	632	2.3	0.9	Master's degree
224	19-3051	Urban and Regional Planners	51	\$26.97	618	2.8	0.9	Master's degree
225	49-9098	Helpers--Installation, Maintenance, and Repair Workers	335	\$11.84	659	4.2	1.1	Short-term on-the-job training
226	33-3012	Correctional Officers and Jailers	331	\$16.02	678	1.6	0.8	Moderate-term on-the-job training
227	43-5061	Production, Planning, and Expediting Clerks	272	\$19.12	537	2.3	1.0	Short-term on-the-job training
228	29-9012	Occupational Health and Safety Technicians	9	\$31.22	703	2.9	1.4	Postsecondary vocational training
229	13-2053	Insurance Underwriters	65	\$23.17	503	3.0	1.8	Bachelor's degree
230	47-2141	Painters, Construction and Maintenance	618	\$14.04	555	2.4	1.7	Moderate-term on-the-job training
231	33-9032	Security Guards	1,416	\$10.55	592	3.7	1.6	Short-term on-the-job training



Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
232	21-1021	Child, Family, and School Social Workers	167	\$16.26	517	3.3	2.2	Bachelor's degree
233	39-1011	Gaming Supervisors	128	\$19.16	561	2.8	1.4	Work experience in a related occupation
234	27-2032	Choreographers	42	\$21.28	629	5.5	0.8	Work experience in a related occupation
234	39-5094	Skin Care Specialists	103	\$15.88	521	5.0	2.7	Postsecondary vocational training
236	25-1123	English Language and Literature Teachers, Postsecondary	68	\$21.52	577	3.0	1.4	Master's degree
236	39-9021	Personal and Home Care Aides	888	\$9.79	502	4.9	3.2	Short-term on-the-job training
238	19-3022	Survey Researchers	64	\$16.32	610	4.6	1.8	Bachelor's degree
239	19-3091	Anthropologists and Archeologists	9	\$24.43	681	3.7	2.0	Master's degree
240	23-1023	Judges, Magistrate Judges, and Magistrates	17	\$37.49	610	1.8	1.5	Bachelor's or higher deg. + work exp.
241	25-1121	Art, Drama, and Music Teachers, Postsecondary	34	\$23.53	608	3.2	1.5	Master's degree
242	13-2071	Loan Counselors	47	\$20.66	547	3.4	2.4	Bachelor's degree
243	25-2011	Preschool Teachers, Except Special Education	325	\$10.65	530	4.5	4.5	Postsecondary vocational training
244	21-2021	Directors, Religious Activities and Education	63	\$16.58	478	5.7	5.9	Bachelor's degree
245	21-1013	Marriage and Family Therapists	21	\$23.63	606	3.7	1.7	Master's degree
246	49-9051	Electrical Power-Line Installers and Repairers	48	\$27.98	668	1.7	0.5	Long-term on-the-job training
247	43-4131	Loan Interviewers and Clerks	375	\$15.00	506	2.4	2.0	Short-term on-the-job training
248	49-9094	Locksmiths and Safe Repairers	49	\$16.55	638	5.0	1.5	Moderate-term on-the-job training
249	41-3041	Travel Agents	153	\$14.99	514	4.5	2.1	Postsecondary vocational training
250	27-3043	Writers and Authors	126	\$18.96	541	2.4	1.5	Bachelor's degree
251	17-2131	Materials Engineers	32	\$30.96	605	2.4	0.9	Bachelor's degree
252	43-5052	Postal Service Mail Carriers	275	\$20.97	454	2.2	0.7	Short-term on-the-job training
253	15-2011	Actuaries	9	\$34.26	556	4.7	1.1	Bachelor's or higher deg. + work exp.
254	49-9031	Home Appliance Repairers	75	\$18.53	412	4.6	2.0	Long-term on-the-job training
255	25-4012	Curators	23	\$22.56	686	3.1	1.4	Master's degree
256	47-4041	Hazardous Materials Removal Workers	63	\$14.23	627	5.9	2.3	Moderate-term on-the-job training
257	43-4111	Interviewers, Except Eligibility and Loan	315	\$12.12	481	5.2	2.0	Short-term on-the-job training
258	41-9011	Demonstrators and Product Promoters	114	\$16.02	502	4.5	2.0	Moderate-term on-the-job training
259	49-3022	Automotive Glass Installers and Repairers	42	\$17.29	599	4.4	2.5	Long-term on-the-job training
260	19-1023	Zoologists and Wildlife Biologists	15	\$27.88	653	3.3	1.1	Bachelor's degree
261	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,554	\$9.09	471	4.4	2.3	Short-term on-the-job training
262	29-2091	Orthotists and Prosthetists	8	\$28.68	720	2.4	1.7	Bachelor's degree

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
263	27-3042	Technical Writers	49	\$28.04	516	2.9	1.1	Bachelor's degree
264	41-3011	Advertising Sales Agents	97	\$22.73	540	2.1	1.2	Moderate-term on-the-job training
265	43-4171	Receptionists and Information Clerks	1,629	\$11.36	476	3.9	1.5	Short-term on-the-job training
266	13-2031	Budget Analysts	45	\$27.68	571	1.9	1.3	Bachelor's degree
267	53-7032	Excavating and Loading Machine and Dragline Operators	110	\$17.80	625	2.7	1.0	Moderate-term on-the-job training
268	43-6013	Medical Secretaries	313	\$13.89	499	3.3	1.9	Postsecondary vocational training
269	29-2053	Psychiatric Technicians	91	\$14.10	591	4.0	3.4	Moderate-term on-the-job training
270	25-1054	Physics Teachers, Postsecondary	5	\$33.29	639	3.1	1.5	Doctoral degree
271	41-2031	Retail Salespersons	6,576	\$12.20	477	4.0	1.0	Short-term on-the-job training
272	25-1041	Agricultural Sciences Teachers, Postsecondary	4	\$39.20	672	2.6	1.3	Doctoral degree
273	19-3041	Sociologists	11	\$28.72	566	4.4	1.3	Master's degree
273	51-4041	Machinists	187	\$17.58	606	1.9	0.9	Long-term on-the-job training
275	11-9071	Gaming Managers	19	\$32.47	634	1.9	1.1	Work experience in a related occupation
276	53-7051	Industrial Truck and Tractor Operators	270	\$12.99	638	2.6	1.5	Short-term on-the-job training
277	25-2043	Special Education Teachers, Secondary School	49	\$19.95	612	3.0	1.4	Bachelor's degree
278	21-1092	Probation Officers and Correctional Treatment Specialists	126	\$18.63	582	2.0	1.2	Bachelor's degree
279	17-3024	Electro-Mechanical Technicians	23	\$20.34	651	3.2	1.7	Associate degree
280	49-9062	Medical Equipment Repairers	29	\$16.24	712	4.4	1.7	Associate degree
281	25-2042	Special Education Teachers, Middle School	47	\$18.29	610	3.4	1.6	Bachelor's degree
282	43-9061	Office Clerks, General	3,430	\$12.38	456	3.0	1.4	Short-term on-the-job training
283	53-3031	Driver/Sales Workers	466	\$9.82	539	3.8	2.5	Short-term on-the-job training
284	33-1011	First-Line Supervisors/Managers of Correctional Officers	56	\$21.85	682	1.9	0.7	Work experience in a related occupation
285	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	358	\$14.96	522	2.5	1.2	Moderate-term on-the-job training
286	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	11	\$35.64	524	2.4	2.1	Bachelor's or higher deg. + work exp.
287	47-2021	Brickmasons and Blockmasons	196	\$16.88	550	1.8	1.3	Long-term on-the-job training
288	25-4021	Librarians	78	\$20.25	647	1.6	0.8	Master's degree
289	25-1022	Mathematical Science Teachers, Postsecondary	43	\$23.17	561	2.8	1.3	Master's degree
290	47-2071	Paving, Surfacing, and Tamping Equipment Operators	59	\$18.33	598	2.4	1.8	Moderate-term on-the-job training
291	43-3021	Billing and Posting Clerks and Machine Operators	426	\$14.26	443	2.5	1.6	Moderate-term on-the-job training
292	19-1022	Microbiologists	4	\$31.68	679	3.3	1.0	Doctoral degree
293	27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	23	\$22.46	621	3.0	1.4	Long-term on-the-job training
294	47-2061	Construction Laborers	957	\$13.29	566	1.5	1.2	Moderate-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
295	51-8031	Water and Liquid Waste Treatment Plant and System Operators	63	\$20.07	647	2.4	0.7	Long-term on-the-job training
296	25-1064	Geography Teachers, Postsecondary	7	\$31.62	614	2.9	1.3	Doctoral degree
297	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Ope	52	\$15.79	605	4.5	1.5	Moderate-term on-the-job training
298	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31	\$26.06	642	1.9	0.8	Moderate-term on-the-job training
299	37-2012	Maids and Housekeeping Cleaners	1,594	\$8.29	420	4.1	2.0	Short-term on-the-job training
300	17-3012	Electrical and Electronics Drafters	43	\$24.49	544	2.8	1.0	Postsecondary vocational training
301	29-9091	Athletic Trainers	20	\$16.66	678	4.1	2.0	Bachelor's degree
302	35-2021	Food Preparation Workers	1,894	\$10.00	517	4.4	1.0	Short-term on-the-job training
303	25-1081	Education Teachers, Postsecondary	16	\$24.83	613	2.9	1.4	Doctoral degree
304	25-2032	Vocational Education Teachers, Secondary School	43	\$19.79	717	2.4	0.9	Bachelor's or higher deg. + work exp.
305	25-1122	Communications Teachers, Postsecondary	19	\$24.31	603	2.9	1.4	Doctoral degree
306	51-6011	Laundry and Dry-Cleaning Workers	567	\$8.61	502	4.8	1.7	Moderate-term on-the-job training
307	27-2023	Umpires, Referees, and Other Sports Officials	93	\$13.34	497	5.8	3.2	Long-term on-the-job training
308	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	11	\$28.23	594	2.9	1.3	Doctoral degree
309	25-1061	Anthropology and Archeology Teachers, Postsecondary	5	\$29.65	623	2.9	1.5	Doctoral degree
310	13-1021	Purchasing Agents and Buyers, Farm Products	34	\$22.07	525	4.0	1.2	Work experience in a related occupation
311	25-1063	Economics Teachers, Postsecondary	4	\$45.21	591	2.5	1.3	Doctoral degree
312	47-4021	Elevator Installers and Repairers	11	\$30.00	688	2.0	0.8	Long-term on-the-job training
313	51-3011	Bakers	250	\$11.04	575	3.9	1.6	Long-term on-the-job training
314	41-2021	Counter and Rental Clerks	983	\$10.61	420	5.0	1.1	Short-term on-the-job training
315	47-2211	Sheet Metal Workers	200	\$15.91	578	2.2	0.9	Long-term on-the-job training
316	31-9094	Medical Transcriptionists	103	\$15.35	433	4.0	2.2	Postsecondary vocational training
317	25-1124	Foreign Language and Literature Teachers, Postsecondary	17	\$25.52	555	3.2	1.4	Master's degree
318	47-4051	Highway Maintenance Workers	67	\$13.96	623	3.1	2.4	Moderate-term on-the-job training
319	47-2221	Structural Iron and Steel Workers	72	\$15.88	709	2.1	1.2	Long-term on-the-job training
320	47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	35	\$14.25	656	4.8	1.8	Moderate-term on-the-job training
321	35-2014	Cooks, Restaurant	1,323	\$9.87	530	3.9	1.0	Long-term on-the-job training
322	51-3021	Butchers and Meat Cutters	129	\$15.91	502	3.1	1.4	Long-term on-the-job training
323	25-1067	Sociology Teachers, Postsecondary	6	\$29.52	578	3.2	1.4	Doctoral degree

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
323	39-9011	Child Care Workers	1,128	\$7.81	555	3.7	1.3	Short-term on-the-job training
325	39-6022	Travel Guides	19	\$18.30	565	5.0	1.8	Moderate-term on-the-job training
326	17-2121	Marine Engineers and Naval Architects	7	\$23.97	703	3.7	0.8	Bachelor's degree
327	43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	142	\$19.64	427	2.2	0.9	Short-term on-the-job training
328	47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	6	\$19.66	707	5.3	1.2	Moderate-term on-the-job training
329	53-3041	Taxi Drivers and Chauffeurs	191	\$10.30	522	3.9	4.8	Short-term on-the-job training
330	39-2021	Nonfarm Animal Caretakers	279	\$9.17	516	4.6	2.0	Short-term on-the-job training
331	13-1061	Emergency Management Specialists	6	\$27.07	658	2.5	1.2	Work experience in a related occupation
332	47-5041	Continuous Mining Machine Operators	31	\$18.00	345	6.1	2.2	Moderate-term on-the-job training
333	27-2012	Producers and Directors	30	\$25.57	627	1.0	0.8	Bachelor's or higher deg. + work exp.
334	19-1031	Conservation Scientists	9	\$27.61	705	2.1	0.8	Bachelor's degree
335	41-9041	Telemarketers	706	\$10.30	403	3.1	2.0	Short-term on-the-job training
336	41-2022	Parts Salespersons	251	\$15.13	575	2.1	0.7	Moderate-term on-the-job training
337	43-3071	Tellers	932	\$11.39	471	3.8	0.7	Short-term on-the-job training
338	47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	59	\$15.48	566	3.0	2.3	Moderate-term on-the-job training
339	27-1026	Merchandise Displayers and Window Trimmers	112	\$11.66	532	3.9	3.3	Moderate-term on-the-job training
340	21-1015	Rehabilitation Counselors	58	\$14.70	579	3.7	1.8	Master's degree
341	51-8021	Stationary Engineers and Boiler Operators	19	\$22.22	611	2.3	1.5	Long-term on-the-job training
342	25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	11	\$23.89	587	2.9	1.3	Doctoral degree
343	35-2011	Cooks, Fast Food	1,473	\$7.86	515	4.0	1.0	Short-term on-the-job training
344	39-5092	Manicurists and Pedicurists	238	\$8.72	439	5.2	2.9	Postsecondary vocational training
345	27-3041	Editors	74	\$20.69	550	1.6	0.7	Bachelor's degree
346	51-4051	Metal-Refining Furnace Operators and Tenders	15	\$19.20	605	3.5	1.6	Moderate-term on-the-job training
347	43-6014	Secretaries, Except Legal, Medical, and Executive	994	\$12.83	483	1.8	1.0	Moderate-term on-the-job training
348	25-9041	Teacher Assistants	912	\$9.62	494	2.8	1.6	Short-term on-the-job training
349	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	4,878	\$7.78	458	4.4	0.8	Short-term on-the-job training
350	47-2081	Drywall and Ceiling Tile Installers	463	\$14.79	347	1.9	0.9	Moderate-term on-the-job training
351	35-3011	Bartenders	776	\$8.73	507	4.0	1.0	Short-term on-the-job training
352	31-2022	Physical Therapist Aides	72	\$11.07	571	4.7	3.0	Short-term on-the-job training
353	49-2091	Avionics Technicians	25	\$19.92	622	2.5	1.1	Postsecondary vocational training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
354	43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	382	\$12.15	524	2.7	1.0	Short-term on-the-job training
354	47-2161	Plasterers and Stucco Masons	173	\$13.21	627	1.9	1.1	Long-term on-the-job training
356	25-1125	History Teachers, Postsecondary	12	\$23.88	575	2.8	1.3	Doctoral degree
357	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3,210	\$10.73	468	2.8	0.7	Short-term on-the-job training
358	25-1066	Psychology Teachers, Postsecondary	8	\$21.71	590	3.3	1.7	Doctoral degree
359	53-3021	Bus Drivers, Transit and Intercity	148	\$12.91	596	2.6	1.3	Moderate-term on-the-job training
360	49-9052	Telecommunications Line Installers and Repairers	66	\$17.38	640	1.7	0.7	Long-term on-the-job training
361	47-2181	Roofers	297	\$14.43	351	2.3	1.1	Moderate-term on-the-job training
362	11-9131	Postmasters and Mail Superintendents	7	\$28.60	587	2.1	1.3	Work experience in a related occupation
363	49-9044	Millwrights	27	\$19.38	614	2.6	1.1	Long-term on-the-job training
364	23-1022	Arbitrators, Mediators, and Conciliators	6	\$25.37	451	3.3	3.0	Bachelor's or higher deg. + work exp.
365	25-1065	Political Science Teachers, Postsecondary	9	\$24.88	580	2.8	1.3	Doctoral degree
366	51-9141	Semiconductor Processors	116	\$17.73	594	0.6	0.3	Associate degree
367	51-4121	Welders, Cutters, Solderers, and Brazers	271	\$14.93	521	2.0	0.7	Long-term on-the-job training
368	53-6051	Transportation Inspectors	14	\$32.29	583	1.3	0.6	Work experience in a related occupation
369	35-3031	Waiters and Waitresses	4,645	\$8.03	474	3.9	0.7	Short-term on-the-job training
370	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	109	\$9.83	525	5.3	3.0	Short-term on-the-job training
371	43-5051	Postal Service Clerks	53	\$21.09	520	2.2	0.9	Short-term on-the-job training
372	33-9011	Animal Control Workers	94	\$14.34	583	4.1	0.4	Moderate-term on-the-job training
373	53-7021	Crane and Tower Operators	18	\$19.07	649	2.6	1.3	Long-term on-the-job training
374	53-7061	Cleaners of Vehicles and Equipment	912	\$8.62	505	3.7	1.0	Short-term on-the-job training
375	15-2041	Statisticians	9	\$31.28	603	1.7	0.7	Master's degree
376	35-9021	Dishwashers	1,320	\$7.26	464	4.2	0.9	Short-term on-the-job training
377	47-2011	Boilermakers	17	\$20.48	675	2.6	0.7	Long-term on-the-job training
378	51-2092	Team Assemblers	838	\$11.39	531	1.9	0.8	Moderate-term on-the-job training
379	49-9043	Maintenance Workers, Machinery	51	\$16.06	626	2.4	1.1	Short-term on-the-job training
380	53-7064	Packers and Packagers, Hand	671	\$8.05	439	3.1	1.6	Short-term on-the-job training
381	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,036	\$7.72	416	3.9	1.0	Short-term on-the-job training
382	41-2011	Cashiers	6,671	\$9.45	514	2.8	0.4	Short-term on-the-job training
383	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	5	\$29.41	694	1.4	0.7	Postsecondary vocational training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
384	43-5031	Police, Fire, and Ambulance Dispatchers	67	\$15.74	608	2.2	1.1	Moderate-term on-the-job training
385	53-6041	Traffic Technicians	8	\$26.80	635	2.2	0.7	Short-term on-the-job training
386	53-6031	Service Station Attendants	258	\$9.63	565	4.4	0.8	Short-term on-the-job training
387	47-2022	Stonemasons	63	\$15.04	615	2.0	1.5	Long-term on-the-job training
388	47-2151	Pipelayers	112	\$15.18	557	2.3	1.0	Moderate-term on-the-job training
389	25-1126	Philosophy and Religion Teachers, Postsecondary	6	\$25.90	571	2.9	1.2	Doctoral degree
389	51-6021	Pressers, Textile, Garment, and Related Materials	168	\$7.85	334	5.0	3.4	Short-term on-the-job training
391	17-3026	Industrial Engineering Technicians	36	\$20.11	649	1.0	0.5	Associate degree
392	47-2121	Glaziers	91	\$15.55	504	2.6	1.4	Long-term on-the-job training
393	49-3052	Motorcycle Mechanics	40	\$13.54	603	3.9	1.7	Long-term on-the-job training
394	43-9041	Insurance Claims and Policy Processing Clerks	105	\$14.36	448	2.6	1.8	Moderate-term on-the-job training
395	39-3091	Amusement and Recreation Attendants	385	\$8.72	457	4.0	1.1	Short-term on-the-job training
396	43-4081	Hotel, Motel, and Resort Desk Clerks	402	\$9.17	520	3.8	0.7	Short-term on-the-job training
397	51-8013	Power Plant Operators	14	\$25.15	651	1.0	0.4	Long-term on-the-job training
398	49-3093	Tire Repairers and Changers	235	\$11.46	564	3.3	0.6	Short-term on-the-job training
399	19-1013	Soil and Plant Scientists	3	\$29.88	635	1.5	1.0	Bachelor's degree
400	53-3022	Bus Drivers, School	289	\$10.69	550	2.4	1.2	Short-term on-the-job training
401	43-4031	Court, Municipal, and License Clerks	110	\$15.14	457	2.7	1.3	Short-term on-the-job training
402	19-1032	Foresters	7	\$22.35	693	2.3	0.9	Bachelor's degree
403	35-2015	Cooks, Short Order	325	\$9.95	518	3.5	0.9	Short-term on-the-job training
404	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,048	\$7.11	435	3.7	0.8	Short-term on-the-job training
405	39-3012	Gaming and Sports Book Writers and Runners	465	\$8.90	460	3.8	0.9	Short-term on-the-job training
406	47-2041	Carpet Installers	94	\$12.06	585	2.5	1.8	Moderate-term on-the-job training
407	43-5032	Dispatchers, Except Police, Fire, and Ambulance	146	\$15.63	522	1.6	0.8	Moderate-term on-the-job training
408	53-7081	Refuse and Recyclable Material Collectors	87	\$16.05	519	2.4	0.9	Short-term on-the-job training
409	31-1013	Psychiatric Aides	47	\$10.37	576	4.7	3.9	Short-term on-the-job training
410	27-4031	Camera Operators, Television, Video, and Motion Picture	13	\$22.03	619	2.0	1.0	Moderate-term on-the-job training
411	43-4141	New Accounts Clerks	52	\$15.75	487	3.4	1.4	Work experience in a related occupation
412	47-2082	Tapers	273	\$14.66	311	1.7	0.8	Moderate-term on-the-job training
413	33-3031	Fish and Game Wardens	15	\$19.03	682	2.4	0.8	Associate degree
414	27-1023	Floral Designers	64	\$11.35	545	3.5	3.0	Moderate-term on-the-job training
415	29-1125	Recreational Therapists	12	\$17.29	575	3.5	1.7	Bachelor's degree
416	23-2091	Court Reporters	9	\$23.36	517	1.9	2.0	Postsecondary vocational training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
417	33-2021	Fire Inspectors and Investigators	5	\$28.09	705	0.3	0.1	Work experience in a related occupation
418	27-3091	Interpreters and Translators	42	\$15.10	527	2.6	2.3	Long-term on-the-job training
419	43-9021	Data Entry Keyers	280	\$13.34	512	1.5	0.6	Moderate-term on-the-job training
420	39-4021	Funeral Attendants	47	\$11.90	481	5.5	2.4	Short-term on-the-job training
421	47-3012	Helpers--Carpenters	264	\$11.19	569	2.3	0.6	Short-term on-the-job training
422	43-5081	Stock Clerks and Order Fillers	2,547	\$10.23	441	2.1	0.4	Short-term on-the-job training
423	51-9111	Packaging and Filling Machine Operators and Tenders	146	\$11.09	644	1.9	0.9	Short-term on-the-job training
424	29-2081	Opticians, Dispensing	46	\$14.30	534	3.0	1.9	Long-term on-the-job training
425	29-2054	Respiratory Therapy Technicians	6	\$17.00	730	2.2	1.8	Associate degree
426	19-4093	Forest and Conservation Technicians	49	\$15.30	647	1.9	0.8	Associate degree
427	43-4011	Brokerage Clerks	32	\$15.98	492	2.8	2.3	Moderate-term on-the-job training
428	35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,557	\$7.53	436	3.2	0.3	Short-term on-the-job training
429	51-8012	Power Distributors and Dispatchers	4	\$25.89	638	1.7	0.8	Long-term on-the-job training
430	13-2081	Tax Examiners, Collectors, and Revenue Agents	24	\$23.68	510	1.6	0.7	Bachelor's degree
431	35-2012	Cooks, Institution and Cafeteria	332	\$11.02	522	2.2	0.6	Moderate-term on-the-job training
432	45-4021	Fallers	6	\$16.35	478	6.3	3.0	Moderate-term on-the-job training
433	23-2092	Law Clerks	28	\$18.85	496	1.6	1.7	Bachelor's degree
434	49-2097	Electronic Home Entertainment Equipment Installers and Repairers	94	\$12.27	562	2.5	1.4	Postsecondary vocational training
435	39-3011	Gaming Dealers	272	\$8.15	474	4.0	0.9	Postsecondary vocational training
436	49-9011	Mechanical Door Repairers	15	\$16.33	598	3.2	1.3	Moderate-term on-the-job training
437	51-9198	Helpers--Production Workers	381	\$10.28	495	2.3	0.8	Short-term on-the-job training
438	17-3021	Aerospace Engineering and Operations Technicians	2	\$26.33	719	0.7	0.3	Associate degree
439	19-3011	Economists	4	\$35.54	561	1.0	0.3	Master's degree
440	47-5021	Earth Drillers, Except Oil and Gas	19	\$15.59	495	4.0	1.9	Moderate-term on-the-job training
441	33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	224	\$9.33	530	4.1	0.4	Short-term on-the-job training
442	47-2171	Reinforcing Iron and Rebar Workers	56	\$16.72	362	2.1	1.2	Long-term on-the-job training
443	51-2022	Electrical and Electronic Equipment Assemblers	163	\$13.34	586	0.7	0.3	Short-term on-the-job training
444	27-1027	Set and Exhibit Designers	9	\$16.11	654	2.2	1.8	Bachelor's degree
445	25-4031	Library Technicians	135	\$12.53	551	2.5	0.6	Postsecondary vocational training
446	31-2012	Occupational Therapist Aides	7	\$13.00	604	5.0	3.7	Short-term on-the-job training
447	31-9093	Medical Equipment Preparers	26	\$12.19	550	4.3	2.5	Short-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
448	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23	\$11.02	617	3.5	3.6	Moderate-term on-the-job training
449	17-1021	Cartographers and Photogrammetrists	21	\$23.45	562	0.3	0.1	Bachelor's degree
450	51-6052	Tailors, Dressmakers, and Custom Sewers	34	\$13.38	555	3.1	1.8	Long-term on-the-job training
451	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	134	\$11.25	592	2.4	0.6	Short-term on-the-job training
452	51-5023	Printing Machine Operators	83	\$14.71	492	2.2	1.0	Moderate-term on-the-job training
453	19-3092	Geographers	1	\$30.04	644	0.0	0.0	Master's degree
454	39-9041	Residential Advisors	39	\$13.26	533	3.4	1.7	Moderate-term on-the-job training
455	49-3041	Farm Equipment Mechanics	42	\$13.55	545	3.0	1.5	Postsecondary vocational training
456	19-4021	Biological Technicians	14	\$15.77	595	2.6	1.7	Associate degree
456	51-7011	Cabinetmakers and Bench Carpenters	96	\$14.16	592	1.1	0.4	Long-term on-the-job training
458	35-3041	Food Servers, Nonrestaurant	285	\$8.73	478	3.2	0.7	Short-term on-the-job training
459	27-1014	Multi-Media Artists and Animators	20	\$22.28	566	0.7	0.3	Bachelor's degree
460	25-4013	Museum Technicians and Conservators	17	\$15.24	613	2.9	1.4	Master's degree
461	49-3051	Motorboat Mechanics	23	\$13.83	405	4.8	2.1	Long-term on-the-job training
462	27-4011	Audio and Video Equipment Technicians	46	\$13.99	654	1.8	0.7	Long-term on-the-job training
463	39-1012	Slot Key Persons	93	\$12.26	545	2.3	1.1	Postsecondary vocational training
464	25-2023	Vocational Education Teachers, Middle School	8	\$16.86	689	2.1	1.0	Bachelor's or higher deg. + work exp.
465	47-2072	Pile-Driver Operators	7	\$21.99	316	2.4	1.6	Moderate-term on-the-job training
466	51-4111	Tool and Die Makers	14	\$20.79	589	1.0	0.5	Long-term on-the-job training
467	43-4151	Order Clerks	220	\$12.90	516	0.5	0.2	Short-term on-the-job training
468	51-8091	Chemical Plant and System Operators	6	\$16.88	701	2.4	0.8	Long-term on-the-job training
469	47-2142	Paperhangers	9	\$19.96	317	2.2	2.0	Moderate-term on-the-job training
470	51-4012	Numerical Tool and Process Control Programmers	5	\$22.34	645	0.6	0.4	Long-term on-the-job training
471	43-5041	Meter Readers, Utilities	46	\$18.38	550	-3.1	0.0	Short-term on-the-job training
472	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	16	\$14.49	495	4.0	1.7	Postsecondary vocational training
473	51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	22	\$16.33	642	1.0	0.7	Moderate-term on-the-job training
474	53-7011	Conveyor Operators and Tenders	27	\$12.61	645	3.0	1.0	Short-term on-the-job training
475	25-4011	Archivists	4	\$25.45	536	1.8	0.8	Master's degree
476	51-5021	Job Printers	27	\$16.81	606	0.9	0.4	Long-term on-the-job training
477	45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	27	\$18.22	592	0.2	0.1	Work experience in a related occupation



Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
478	51-2041	Structural Metal Fabricators and Fitters	71	\$13.50	538	1.9	0.8	Moderate-term on-the-job training
479	19-1012	Food Scientists and Technologists	1	\$24.92	647	0.0	0.0	Bachelor's degree
480	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	44	\$17.72	481	1.2	0.5	Long-term on-the-job training
481	43-9031	Desktop Publishers	13	\$16.95	499	2.7	1.3	Postsecondary vocational training
482	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	9	\$22.13	435	2.4	0.8	Long-term on-the-job training
483	37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24	\$10.80	609	3.5	1.6	Moderate-term on-the-job training
484	47-5081	Helpers--Extraction Workers	20	\$13.12	405	4.7	1.8	Short-term on-the-job training
485	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	7	\$16.46	597	2.6	1.2	Postsecondary vocational training
486	47-3013	Helpers--Electricians	166	\$9.97	589	1.5	0.4	Short-term on-the-job training
487	51-3092	Food Batchmakers	116	\$9.11	525	2.7	1.1	Short-term on-the-job training
488	43-2011	Switchboard Operators, Including Answering Service	195	\$10.75	421	2.0	0.8	Short-term on-the-job training
489	33-9031	Gaming Surveillance Officers and Gaming Investigators	45	\$13.73	582	1.9	0.8	Moderate-term on-the-job training
490	49-9061	Camera and Photographic Equipment Repairers	4	\$13.60	607	4.0	1.7	Moderate-term on-the-job training
491	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	51	\$12.85	633	1.4	0.6	Moderate-term on-the-job training
492	19-4061	Social Science Research Assistants	10	\$16.51	585	2.2	1.0	Associate degree
493	43-4061	Eligibility Interviewers, Government Programs	57	\$16.29	482	0.4	0.2	Moderate-term on-the-job training
494	43-9022	Word Processors and Typists	99	\$13.54	492	1.2	0.6	Moderate-term on-the-job training
495	27-3021	Broadcast News Analysts	2	\$25.98	599	-1.3	0.0	Bachelor's or higher deg. + work exp.
496	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	23	\$12.85	525	3.5	1.5	Moderate-term on-the-job training
497	51-9071	Jewelers and Precious Stone and Metal Workers	22	\$14.78	426	2.9	1.6	Postsecondary vocational training
498	25-1113	Social Work Teachers, Postsecondary	1	\$20.04	610	1.7	1.0	Doctoral degree
499	31-9095	Pharmacy Aides	28	\$10.66	525	3.7	2.1	Short-term on-the-job training
500	43-3061	Procurement Clerks	42	\$16.30	506	1.3	0.5	Short-term on-the-job training
501	51-9081	Dental Laboratory Technicians	22	\$16.61	565	1.2	0.6	Long-term on-the-job training
502	51-9082	Medical Appliance Technicians	7	\$15.53	667	1.9	1.0	Long-term on-the-job training
503	49-9063	Musical Instrument Repairers and Tuners	8	\$16.11	603	2.4	0.9	Long-term on-the-job training
504	49-3043	Rail Car Repairers	7	\$17.48	644	1.2	0.6	Long-term on-the-job training
505	45-4022	Logging Equipment Operators	7	\$12.44	448	5.1	3.3	Moderate-term on-the-job training
506	45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	531	\$7.45	460	-0.5	0.0	Short-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
507	25-1192	Home Economics Teachers, Postsecondary	3	\$16.57	631	2.2	1.0	Master's degree
508	27-3011	Radio and Television Announcers	32	\$16.46	563	-1.9	0.0	Long-term on-the-job training
509	43-5021	Couriers and Messengers	111	\$11.07	509	1.6	0.7	Short-term on-the-job training
510	53-6021	Parking Lot Attendants	176	\$9.35	530	1.3	0.4	Short-term on-the-job training
511	51-6093	Upholsterers	39	\$11.88	373	3.4	1.3	Long-term on-the-job training
511	51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	47	\$13.86	585	0.6	0.2	Moderate-term on-the-job training
513	29-2051	Dietetic Technicians	34	\$9.78	432	3.4	2.9	Moderate-term on-the-job training
514	25-9011	Audio-Visual Collections Specialists	3	\$16.07	593	2.1	1.5	Moderate-term on-the-job training
515	27-4012	Broadcast Technicians	13	\$16.75	633	-0.1	0.0	Associate degree
516	51-9123	Painting, Coating, and Decorating Workers	39	\$11.87	498	3.0	1.1	Short-term on-the-job training
517	49-3091	Bicycle Repairers	37	\$10.02	614	3.3	0.7	Moderate-term on-the-job training
518	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Ten	39	\$13.45	574	1.5	0.6	Moderate-term on-the-job training
519	43-9011	Computer Operators	76	\$13.78	508	-0.1	0.0	Moderate-term on-the-job training
520	51-9196	Paper Goods Machine Setters, Operators, and Tenders	27	\$15.54	558	0.8	0.4	Moderate-term on-the-job training
521	43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	39	\$15.17	510	1.1	0.4	Short-term on-the-job training
522	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	114	\$10.93	354	2.2	0.5	Short-term on-the-job training
523	39-6011	Baggage Porters and Bellhops	80	\$10.55	451	2.5	0.8	Short-term on-the-job training
524	39-6012	Concierges	27	\$10.68	532	3.7	1.2	Moderate-term on-the-job training
525	27-4032	Film and Video Editors	4	\$20.43	599	-0.5	0.0	Bachelor's degree
526	47-4031	Fence Erectors	55	\$11.62	356	1.9	1.4	Moderate-term on-the-job training
527	19-3093	Historians	1	\$23.01	561	0.0	0.0	Master's degree
528	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	16	\$13.16	399	3.4	1.5	Moderate-term on-the-job training
529	45-2011	Agricultural Inspectors	11	\$16.42	536	1.6	0.7	Work experience in a related occupation
530	51-4194	Tool Grinders, Filers, and Sharpeners	12	\$16.24	567	1.3	0.4	Moderate-term on-the-job training
530	53-7033	Loading Machine Operators, Underground Mining	3	\$15.77	349	3.6	1.5	Moderate-term on-the-job training
532	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	20	\$14.19	652	-0.8	0.0	Moderate-term on-the-job training
533	43-4071	File Clerks	176	\$10.42	475	-0.7	0.0	Short-term on-the-job training
534	43-5011	Cargo and Freight Agents	28	\$16.62	472	-0.7	0.0	Moderate-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
535	51-9011	Chemical Equipment Operators and Tenders	4	\$16.13	647	1.2	0.4	Moderate-term on-the-job training
536	43-9071	Office Machine Operators, Except Computer	64	\$13.09	329	1.4	0.5	Short-term on-the-job training
537	53-2022	Airfield Operations Specialists	1	\$19.18	618	0.0	0.0	Long-term on-the-job training
538	51-3093	Food Cooking Machine Operators and Tenders	28	\$11.05	547	2.4	1.1	Short-term on-the-job training
539	33-3011	Bailiffs	19	\$15.02	480	1.9	0.9	Moderate-term on-the-job training
540	43-4121	Library Assistants, Clerical	55	\$11.73	509	1.9	0.4	Short-term on-the-job training
541	43-3041	Gaming Cage Workers	67	\$11.03	492	2.0	0.3	Short-term on-the-job training
542	49-9097	Signal and Track Switch Repairers	5	\$19.96	466	1.5	0.4	Moderate-term on-the-job training
543	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and	54	\$12.71	545	-0.2	0.0	Moderate-term on-the-job training
544	47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	78	\$10.20	304	2.5	0.6	Short-term on-the-job training
545	51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plasti	12	\$16.79	555	-0.2	0.0	Moderate-term on-the-job training
546	49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	31	\$14.11	384	1.8	0.8	Moderate-term on-the-job training
547	41-2012	Gaming Change Persons and Booth Cashiers	103	\$9.10	487	2.1	0.3	Short-term on-the-job training
548	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	19	\$15.51	510	1.3	0.5	Moderate-term on-the-job training
549	39-3092	Costume Attendants	5	\$14.77	489	3.4	1.0	Short-term on-the-job training
550	53-7071	Gas Compressor and Gas Pumping Station Operators	2	\$22.59	329	0.8	0.3	Moderate-term on-the-job training
551	51-9131	Photographic Process Workers	30	\$12.49	558	1.3	0.6	Moderate-term on-the-job training
552	39-3031	Ushers, Lobby Attendants, and Ticket Takers	149	\$6.98	427	1.6	0.2	Short-term on-the-job training
553	43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	114	\$10.89	395	-0.5	0.0	Short-term on-the-job training
554	27-3022	Reporters and Correspondents	17	\$16.05	529	-1.4	0.0	Bachelor's or higher deg. + work exp.
555	49-2021	Radio Mechanics	1	\$22.32	459	0.0	0.0	Postsecondary vocational training
556	39-3093	Locker Room, Coatroom, and Dressing Room Attendants	34	\$9.04	397	3.5	1.0	Short-term on-the-job training
557	33-9091	Crossing Guards	65	\$7.57	360	2.4	0.7	Short-term on-the-job training
558	51-6031	Sewing Machine Operators	43	\$10.11	440	1.3	1.2	Moderate-term on-the-job training
559	47-2132	Insulation Workers, Mechanical	13	\$16.00	304	1.3	0.4	Moderate-term on-the-job training
560	33-3041	Parking Enforcement Workers	5	\$13.43	525	2.3	1.3	Short-term on-the-job training
561	51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20	\$12.20	562	1.3	0.5	Moderate-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
562	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	37	\$11.17	578	-0.7	0.0	Moderate-term on-the-job training
563	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plas	13	\$13.05	600	0.5	0.2	Moderate-term on-the-job training
564	43-9111	Statistical Assistants	5	\$14.38	563	1.1	0.8	Moderate-term on-the-job training
565	51-5022	Prepress Technicians and Workers	24	\$13.23	534	-0.5	0.0	Postsecondary vocational training
566	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	7	\$13.79	617	0.3	0.1	Moderate-term on-the-job training
567	27-3012	Public Address System and Other Announcers	8	\$11.21	547	2.6	1.0	Long-term on-the-job training
568	51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	11	\$13.08	601	0.3	0.2	Moderate-term on-the-job training
569	51-6062	Textile Cutting Machine Setters, Operators, and Tenders	3	\$12.06	488	3.1	1.5	Moderate-term on-the-job training
570	51-2023	Electromechanical Equipment Assemblers	25	\$13.96	458	-0.3	0.0	Short-term on-the-job training
571	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and T	16	\$13.65	510	0.4	0.2	Moderate-term on-the-job training
572	51-4071	Foundry Mold and Coremakers	8	\$14.09	549	0.8	0.3	Moderate-term on-the-job training
573	51-9191	Cementing and Gluing Machine Operators and Tenders	8	\$12.24	602	1.2	0.5	Moderate-term on-the-job training
573	53-5022	Motorboat Operators	2	\$13.18	468	3.2	1.0	Moderate-term on-the-job training
575	47-4091	Segmental Pavers	3	\$11.86	624	1.5	1.0	Moderate-term on-the-job training
576	51-9031	Cutters and Trimmers, Hand	10	\$11.46	357	2.4	1.2	Short-term on-the-job training
577	45-2091	Agricultural Equipment Operators	48	\$8.53	567	-0.6	0.0	Moderate-term on-the-job training
578	51-4192	Lay-Out Workers, Metal and Plastic	1	\$15.54	583	0.0	0.0	Moderate-term on-the-job training
579	51-7032	Patternmakers, Wood	1	\$15.39	589	0.0	0.0	Long-term on-the-job training
580	47-2131	Insulation Workers, Floor, Ceiling, and Wall	29	\$11.38	304	1.5	0.5	Moderate-term on-the-job training
581	51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal	18	\$13.20	488	0.3	0.1	Moderate-term on-the-job training
582	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	36	\$10.47	503	0.5	0.2	Moderate-term on-the-job training
583	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	27	\$10.70	556	-0.6	0.0	Moderate-term on-the-job training
584	51-9132	Photographic Processing Machine Operators	38	\$10.35	519	-0.1	0.0	Short-term on-the-job training
585	41-9012	Models	1	\$14.86	324	2.1	1.0	Moderate-term on-the-job training
586	51-9193	Cooling and Freezing Equipment Operators and Tenders	5	\$11.57	643	0.3	0.1	Moderate-term on-the-job training
587	51-4052	Pourers and Casters, Metal	3	\$13.36	551	1.3	0.7	Moderate-term on-the-job training
588	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	5	\$16.02	361	-0.2	0.0	Moderate-term on-the-job training
588	51-6051	Sewers, Hand	2	\$11.15	318	2.3	2.0	Short-term on-the-job training

Rank based on comparative scores in openings, wages, skills, growth, and turnover, using weights 3, 3, 1, 1, 1								
Rank	SOC Code	Occupational Title	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	Training / Education Requirements
590	51-5011	Bindery Workers	19	\$11.87	509	-0.5	0.0	Short-term on-the-job training
591	51-9022	Grinding and Polishing Workers, Hand	24	\$11.72	325	0.4	0.2	Moderate-term on-the-job training
592	53-7111	Shuttle Car Operators	1	\$15.34	506	0.0	0.0	Short-term on-the-job training
593	51-7021	Furniture Finishers	15	\$12.90	372	-1.0	0.0	Long-term on-the-job training
594	51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	3	\$12.69	568	0.3	0.2	Moderate-term on-the-job training
595	43-2021	Telephone Operators	6	\$14.31	350	0.0	0.0	Short-term on-the-job training
596	53-7063	Machine Feeders and Offbearers	29	\$10.06	411	-0.6	0.0	Short-term on-the-job training
597	45-2041	Graders and Sorters, Agricultural Products	27	\$8.65	365	1.0	0.4	Work experience in a related occupation
598	51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	9	\$12.11	443	0.4	0.2	Moderate-term on-the-job training
599	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	5	\$12.67	493	0.9	0.3	Short-term on-the-job training
600	39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	7	\$9.19	422	1.7	1.3	Short-term on-the-job training
601	51-6041	Shoe and Leather Workers and Repairers	8	\$10.81	418	0.8	0.3	Long-term on-the-job training
602	51-2021	Coil Winders, Tapers, and Finishers	9	\$10.74	481	-1.2	0.0	Short-term on-the-job training
603	41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	5	\$9.39	393	2.2	0.8	Short-term on-the-job training
604	39-3021	Motion Picture Projectionists	8	\$8.56	550	-4.1	0.0	Short-term on-the-job training
605	51-9194	Etchers and Engravers	3	\$11.70	386	0.7	0.3	Long-term on-the-job training
606	49-9095	Manufactured Building and Mobile Home Installers	3	\$10.67	440	1.3	0.5	Moderate-term on-the-job training
607	51-7031	Model Makers, Wood	1	\$12.45	361	0.0	0.0	Long-term on-the-job training
608	51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	3	\$10.24	342	0.9	0.3	Moderate-term on-the-job training

# TERM (Training & Education Resource Model) Occupations Report

Column		Explanation
A	Rank	This is the rank of the occupation based on comparative scores in five areas, openings, wages, skills, growth rate, and turn over ratio as shown in columns D through H. Tie scores get tie ranks.
B	SOC Code	Standard Occupational Classification system. SOC is used by federal agencies collecting occupational data, providing a means to compare occupational data across agencies. It is designed to cover all occupations in which work is performed for pay or profit, reflecting the current occupational structure in the United States. For more info on SOC, see: <a href="http://www.bls.gov/soc/socguide.htm">http://www.bls.gov/soc/socguide.htm</a>
C	SOC Title	The title of the occupation, as assigned by the Standard Occupational Classification system (SOC).
D	Openings	Average number of projected openings (from growth + turnover) expected per year for the occupation. Projected openings based on 2006-2008 occupation projections.
E	Hourly Wage	Based on the average of the wage of the occupation. Wages based on 2006 Occupational Employment Statistics (OES) survey. Hourly wages were calculated by dividing annual wages by 2080 hours (40 hours X 52 weeks).
F	O*NET Score	O*NET is an acronym for the Occupational Information Network ( <a href="http://www.onetcenter.org/">http://www.onetcenter.org/</a> ). This data is a measure of the skills, knowledge, and abilities required for the occupation. The numerical score for each comparative occupational descriptor in the O*NET Knowledge, Skills, and Abilities data files were summed for each occupation and then ranked by percentile.
G	Growth Rate	The two-year projected rate of growth in employment of the occupation. This number could be negative but usually is not. Occupational growth rate is from the 2006-2008 Occupational Projections produced by the AzDES Research Administration.
H	Turnover Ratio	This is the projected number of annual openings due to growth divided by the projected number of annual openings due to replacement (like retirements, quits, promotions, etc.). Higher ratios indicate lower turnover. Based on the 2006-2008 occupational projections data.
I	Education / Training Requirements	The job training and educational levels as assigned by the Bureau of Labor Statistics (BLS). See detailed descriptions of the BLS codes on page two of these notes. Note that a higher code number indicates a lower amount of education or training time.

<b>Calculation method</b>	
1	Hourly wages were calculated by dividing annual wages by 2080 hours (40 hours X 52 weeks).
2	In this iteration of the TERM, there were no restrictions on the BLS Training and Educational code. Note that the lower the training and educational time requirement, the higher the code numbers (see below).
3	Percentiles were calculated for each statistic shown. In case of a tie, the same percentile was assigned to all SOC's involved in the tie.
4	The following formula determined the score for each SOC: $(3 \times \text{openings percentile} + 3 \times \text{wage percentile} + \text{O*NET percentile} + \text{growth percentile} + \text{turnover percentile}) / 9$
<b>BLS (Bureau of Labor Statistics) Education and Training Codes</b>	
1	First professional degree
2	Doctoral degree
3	Master's degree
4	Bachelor's or higher degree, plus work experience
5	Bachelor's degree
6	Associate degree
7	Post-secondary vocational training
8	Work experience in related occupation
9	Long-term on-the-job training
10	Moderate-term on-the-job training
11	Short-term on-the-job training
<b>Sources</b>	
1	Openings and wage data are produced by the Arizona Department of Economic Security, Research Administration, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics. Wages are from the 2006 Occupational Employment Statistics (OES) survey, and openings are from the 2006-2008 occupational employment projections.
2	For the O*Net score, the O*Net database version 9.0 was used. ( <a href="http://www.onetcenter.org/database.html">www.onetcenter.org/database.html</a> )
3	The education and training codes are from the Bureau of Labor Statistics (BLS) website at <a href="ftp://ftp.bls.gov/pub/special.requests/ep/optddata/optd0212.txt">ftp://ftp.bls.gov/pub/special.requests/ep/optddata/optd0212.txt</a>
<b>Questions and Comments</b>	
	Direct questions or comments to Rick Van Sickle, 602-542-6481, <a href="mailto:RVansickle@azdes.gov">RVansickle@azdes.gov</a> ; John Graeflin, 602-542-6492, <a href="mailto:JGraeflin@azdes.gov">JGraeflin@azdes.gov</a> ; or Don Wehbey, 602-542-3686, <a href="mailto:DWehbey@azdes.gov">DWehbey@azdes.gov</a> at Research Administration, Az Dept of Economic Security.